



PENTA PLUS 40A

WOOD PRESERVATIVE

EXTERIOR USE ONLY

Net Contents _____ Gallons

OCT 17 1978

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS DANGER

May be fatal if swallowed, inhaled or absorbed through the skin.
Causes eye and skin irritation. May produce delayed chemical burns.
Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when using. Lumber wet with solution should be kept with rubber gloves. Avoid contamination of foodstuff.
Wood that may come in contact with livestock.
Do not use Plus 40 indoors or in any confined space. Spray mist and vapors may cause injury to plants or animals. Keep container closed when not in use. Do not use, pour, spill or store near heat or flame.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Keep out of lakes, streams or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its label.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Pesticide, diluted solution or rinsate that cannot be used should be disposed of according to procedures approved by Federal, state or local disposal authorities.
Reseal container and offer for reconditioning or triple rinse (or equivalent) and offer for recycling, reconditioning or disposal in approved landfill or bury in a safe place.

9-78

INGREDIENT STATEMENT

ACTIVE INGREDIENTS:	
Pentachlorophenol.....	34.7%*
2,3,4,6-Tetrachlorophenol.....	4.7*
INERT INGREDIENTS	60.6
TOTAL.....	100.0%

*Equivalent to 41.5% pentachlorophenol, technical, as defined by Federal Spec. TT-W-570a

KEEP OUT OF REACH OF CHILDREN

DANGER  **POISON**

If swallowed, do not induce vomiting.
CALL A PHYSICIAN.

In case of eye contact, flush eyes immediately with plenty of water for at least 15 minutes and get medical attention.

In case of skin contact, wash with soap and plenty of water. Wash contaminated clothing before reuse.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Est. No. 1022-TN-1

EPA Reg. No. 1022-120

MANUFACTURED BY
CHAPMAN CHEMICAL COMPANY
MEMPHIS, TENNESSEE

38109

DIRECTIONS

To use solution, mix one part of this concentrate with ten parts by volume of a suitable petroleum solvent such as mineral spirits or kerosene.

As Penta Plus 40 is a concentrate, do not use without diluting.

WOOD PRESERVATION

After diluting as indicated above the ready-to-use Penta Plus 40 solution can be applied to lumber, poles, post and other wood products by a hot-cold bath process, by soaking, spraying, or brushing. The most effective treatment is obtained where deep penetration and high absorptions result. Soaking or a hot-cold bath process gives better results than does spraying or brushing and should be used where possible. Fence posts should be barked and air seasoned until dry and then soaked 24 to 48 hours. The butts should be well treated. Lumber for steps, sills, etc. should be soaked for at least 12 hours. When the wood is not in ground contact, brushing or swabbing may be used. The joints should be thoroughly drenched.

The solution obtained by diluting this concentrate with ten volumes of petroleum solution is a proven wood preservative and is especially recommended for the use of termite exterminators and others wishing to protect buildings from the ravages of these insects. Wood treated with ready-to-use solution is not paintable. If it is desired to paint treated wood, Penta WR should be used.

WARRANTY STATEMENT

Neither Chapman Chemical Company nor the seller makes any representation of warranty, expressed or implied, concerning this material, except that it is of Chapman Chemical Company standard quality. Neither shall be held responsible in any manner for any personal injury or property damage or other type of loss resulting from the improper handling, storage or use of this material. The buyer accepts and uses this material on these conditions.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS**

CAUTION

May cause irritation of eyes, nose, throat and skin. Avoid breathing spray, mist. Avoid contact with eyes, skin or clothing. In case of contact, flush with plenty of water. For eyes, get medical attention.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Keep out of any body of water. Do not apply where runoff is likely to occur. Do not apply where weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

PHYSICAL AND CHEMICAL HAZARDS

Keep away from fire and sparks. Store in a cool dry place.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container. Pesticide, spray mixture or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

CONTAINER DISPOSAL: Triple rinse (or equivalent) and dispose in an incinerator or landfill approved for pesticide containers, or bury in a safe place. Consult Federal, State or Local Disposal Authorities for approved alternate procedures such as limited open burning.

DIRECTIONS FOR USE AS A SPRAY

MANEX is approved for application in sufficient water to provide good coverage with available equipment in either dilute sprays or in concentrate ground or aerial sprays. Rates listed are based on 100 gallons of dilute spray unless otherwise noted. Rates for concentrate and aerial applications should be comparable to the rates for dilute sprays on a per acre basis.

MANEX may be applied by aircraft at the rate shown below for control of certain crop disease; see product labeling for listing of specific crops, details of timing, use limitations, and other use instructions.

CROPS	Amount Per Acre	
	MANEX (Qts.)	WATER (Gals.)
Tree Fruits & Nuts-Vineyards	4 to 5.6	10 to 15
Potatoes and most vegetables; Small Fruits; Field Crops	1.2 to 1.6	5 to 8
Tomatoes; Sweet Corn	1.2 to 2.4	5 to 8

Apply with available ground or aerial equipment. Arrange nozzles so that spray delivery is uniform over the crop canopy.

AGRICULTURAL FRUIT AND NUT CROP USES

ALMONDS: Brown Rot Blossom and Twig Blight, Leaf Blight, Scab—1.2 to 1.6 quarts. Apply, as needed, for blossom and petal fall or every 7 to 10 days if bloom is staggered. Shothole—1.2 to 1.6 quarts. Begin in dormant stage. Repeat at 7 to 10 day intervals through petal fall and petal after petal fall. Do not feed hulls to dairy animals but may be used for slaughter. Do not apply later than 5 weeks after petal fall.

APPLES: Black Rot, Bitter Rot, Botryosphaeria (White Rot), Bullseye Rot, Cedar-Apple Rust, Flyspeck, Scab, and Sooty Blotch—1.2 to 1.6 quarts plus suitable spreader sticker. Begin in prebloom, bud, or first cover stages. Repeat at 7 to 14 day intervals as necessary. Do not graze livestock in treated areas. Do not apply within 15 days of harvest in Arkansas, Delaware, Illinois, Indiana, Kansas, Kentucky, Maryland, Missouri, New Jersey, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee, Virginia and West Virginia. Do not apply within 30 days of harvest in other states.

APRICOTS: Brown Rot (Blossom, Twig and Fruit)—1.2 to 1.6 quarts. Begin at red bud stage. Repeat in early bloom, full bloom, petal fall, and at 7 to 14 day intervals as necessary up to 2 weeks before harvest. Jacket Rot (Green Rot)—1.6 quarts at full bloom and petal fall. Shothole—1.6 quarts from dormant through petal fall stages in regular schedule. Do not apply later than 14 days before harvest.

BANANAS: Sigatoka (*Cercospora musae*)—2.4 to 4.0 quarts/acre in sufficient water to cover. Apply at 2 week intervals beginning at first sign of disease.

CRANBERRIES: Fruit Rots (Massachusetts)—1.6 to 2.4 quarts. Begin at midbloom. Repeat at 10 to 14 day intervals. Do not apply later than 4 weeks after midbloom. Twig Blight (*Lophodermium*), Fruit Rots (Washington and Oregon)—1.6 quarts per 100 gallons of water. Apply 350.0 gallons per acre. Begin after blooming. Repeat between July 10 and 20, August 1 and 10, and August 10 and 25. Fruit Rots (*Guignardia*, *Sporonema*, and *Glomerella*) (New Jersey and Wisconsin)—1.6 quarts. Begin after midbloom. Repeat 10 to 14 days later and 4 weeks after midbloom. Do not apply within 30 days of harvest.

FIGS (Kadota): Surface Molds and Rot (*Alternaria*, *Cladosporium Species*)—0.6 quart. Make one application 10 to 20 days before harvest. Do not apply within 10 days of harvest.

GRAPES: Black Rot (Bunch Rot)—Apply 1.2 to 1.6 quarts/100 gallons. Begin just before bloom. Repeat just after bloom and again 20 days later; do not apply later than 20 days after bloom.

NECTARINES: Brown Rot, Shothole—1.2 to 1.6 quarts. Begin at red bud. Repeat in early bloom, full bloom, petal fall, and at 7 to 14 day intervals up to 2 weeks before harvest. Do not apply within 14 days of harvest.

PAPAYAS: Anthracnose (*Colletotrichum*), Black Spot (*Cercospora*)—1.6 to 2.4 quarts in sufficient water to cover (not less than 50.0 gallons) per acre. Add 4.0 ounces of spreader sticker/100 gallons of spray suspension. Begin when fruit is set. Repeat at 10 to 14 day intervals during winter and early spring and every 7 days during wet weather. Direct spray to central column of tree to cover developing fruit.

PEACHES: Brown Rot, Scab, Shothole—See under Nectarines. Peach Leaf Curl—1.2 to 1.6 quarts. Apply in spring dormant period. Do not apply within 2 days of harvest. If applied within 14 days of harvest, remove residues by brushing.

AGRICULTURAL VEGETABLE CROP USES

ASPARAGUS: Rust—2.4 quarts/50 to 200 gallons/acre. Begin in established fields immediately after harvest. Repeat at 10 day intervals as long as necessary. In young fields which will not be harvested, begin when disease appears and repeat at 10 day intervals. Postharvest application only on established fields.

BEANS (Lima): Anthracnose, Downy Mildew—1.2 to 1.6 quarts. Begin at first sign of disease. Repeat at 4 to 7 day intervals. Do not apply within 4 days of harvest of succulent beans.

BEANS (Green and Dry): Anthracnose, Downy Mildew, Rust—1.2 to 1.6 quarts. Begin when plants are set. Repeat at 5 to 7 day intervals. Do not apply within 4 days of harvest of succulent beans.



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